

□ = differences from F(ab)-12

F(ab)-12 DIQMTQSPSSLSASVGDRTITCSASQDISNYLNWYQQ  
Y0192 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ  
Y0238-3 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ  
Y0239-19 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ  
Y0313-2 DIQ<sup>10</sup>LTQSPSSLSASVGDRTITC<sup>20</sup>RA<sup>30</sup>NEQLSNYLNWYQQ

CDR-L1

F(ab)-12 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGTDF<sup>60</sup>TLTIS  
Y0192 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGTDF<sup>60</sup>TLTIS  
Y0238-3 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGTDF<sup>60</sup>TLTIS  
Y0239-19 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGTDF<sup>60</sup>TLTIS  
Y0313-2 KPGKAPKVL<sup>40</sup>IYFTSS<sup>50</sup>HLHSGVPSRFSGSGGTDF<sup>60</sup>TLTIS

CDR-L2

F(ab)-12 SLQPEDFATY<sup>80</sup>CQQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:94)  
Y0192 SLQPEDFATY<sup>80</sup>CQQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)  
Y0238-3 SLQPEDFATY<sup>80</sup>CQQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)  
Y0239-19 SLQPEDFATY<sup>80</sup>CQQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)  
Y0313-2 SLQPEDFATY<sup>80</sup>CQQ<sup>90</sup>YSTVPWTFGQ<sup>100</sup>GKVEIKRTV (SEQ ID NO:95)

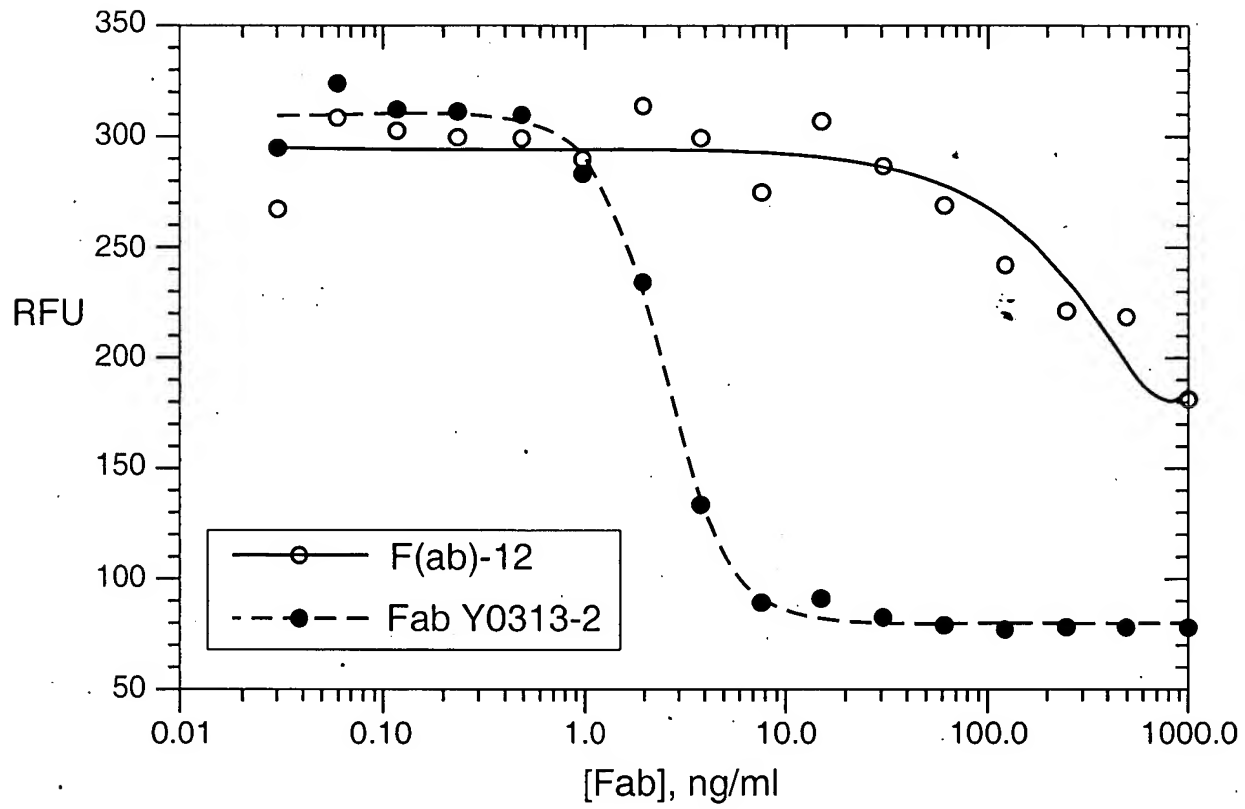
CDR-L3

FIG. 1A

□ = differences from F(ab)-12

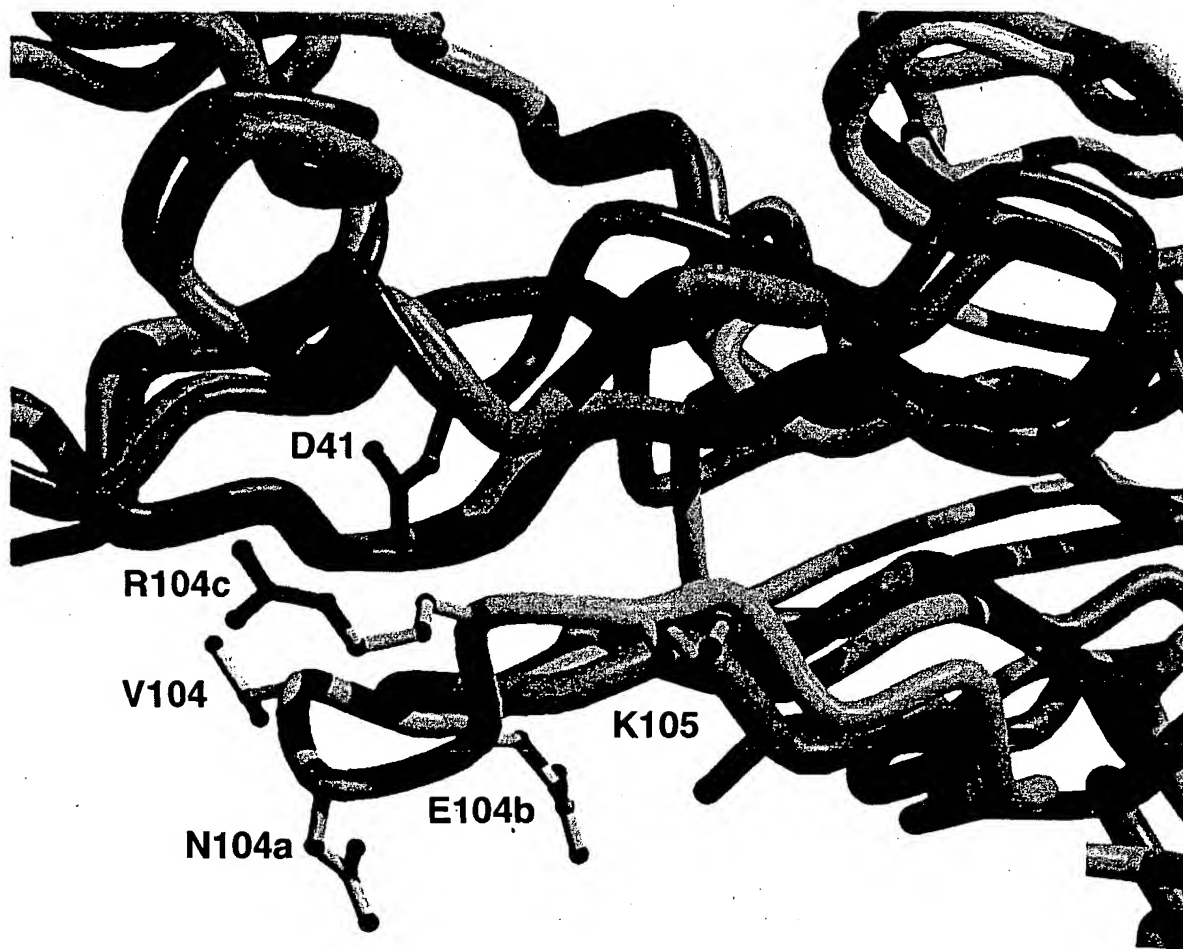
	10	20	30	
F(ab)-12	EVQLVESGGGLVQPGGSLRLS	CAASGYTF	TNYGMNWVR	
Y0192	EVQLVESGGGLVQPGGSLRLS	CAASGYTF	TNYGMNWVR	
Y0238-3	EVQLVESGGGLVQPGGSLRLS	CAASGYDFT	THYGMNWVR	
Y0239-19	EVQLVESGGGLVQPGGSLRLS	CAASGYTF	TNYGMNWVR	
Y0313-2	EVQLVESGGGLVQPGGSLRLS	CAASGYDFT	THYGMNWVR	
	40	50	60	70
F(ab)-12	QAPGKGLEWVGWINTYTGEPT	YAADF	KRRFTFSL	DTSKSTA
Y0192	QAPGKGLEWVGWINTYTGEPT	YAADF	KRRFTFSL	DTSKSTA
Y0238-3	QAPGKGLEWVGWINTYTGEPT	YAADF	KRRFTFSL	DTSKSTA
Y0239-19	QAPGKGLEWVGWINTYTGEPT	YAADF	KRRFTFSL	DTSKSTA
Y0313-2	QAPGKGLEWVGWINTYTGEPT	YAADF	KRRFTFSL	DTSKSTA
	80	90	100	
F(ab)-12	YLQMNSLRAEDTAVYYCAKYPHYG	---	SSHWYFDVWGQ	GTL (SEQ ID NO:96)
Y0192	YLQMNSLRAEDTAVYYCAKYPHYG	---	SSHWYFDVWGQ	GTL (SEQ ID NO:96)
Y0238-3	YLQMNSLRAEDTAVYYCAKYPHYG	---	SSHWYFDVWGQ	GTL (SEQ ID NO:97)
Y0239-19	YLQMNSLRAEDTAVYYCAKYPHYV	NERK	SHWYFDVWGQ	GTL (SEQ ID NO:98)
Y0313-2	YLQMNSLRAEDTAVYYCAKYPHYV	NERK	SHWYFDVWGQ	GTL (SEQ ID NO:99)
				CDR-H3
				CDR-H1
				CDR-H2
				CDR-7

**FIG. 1B**

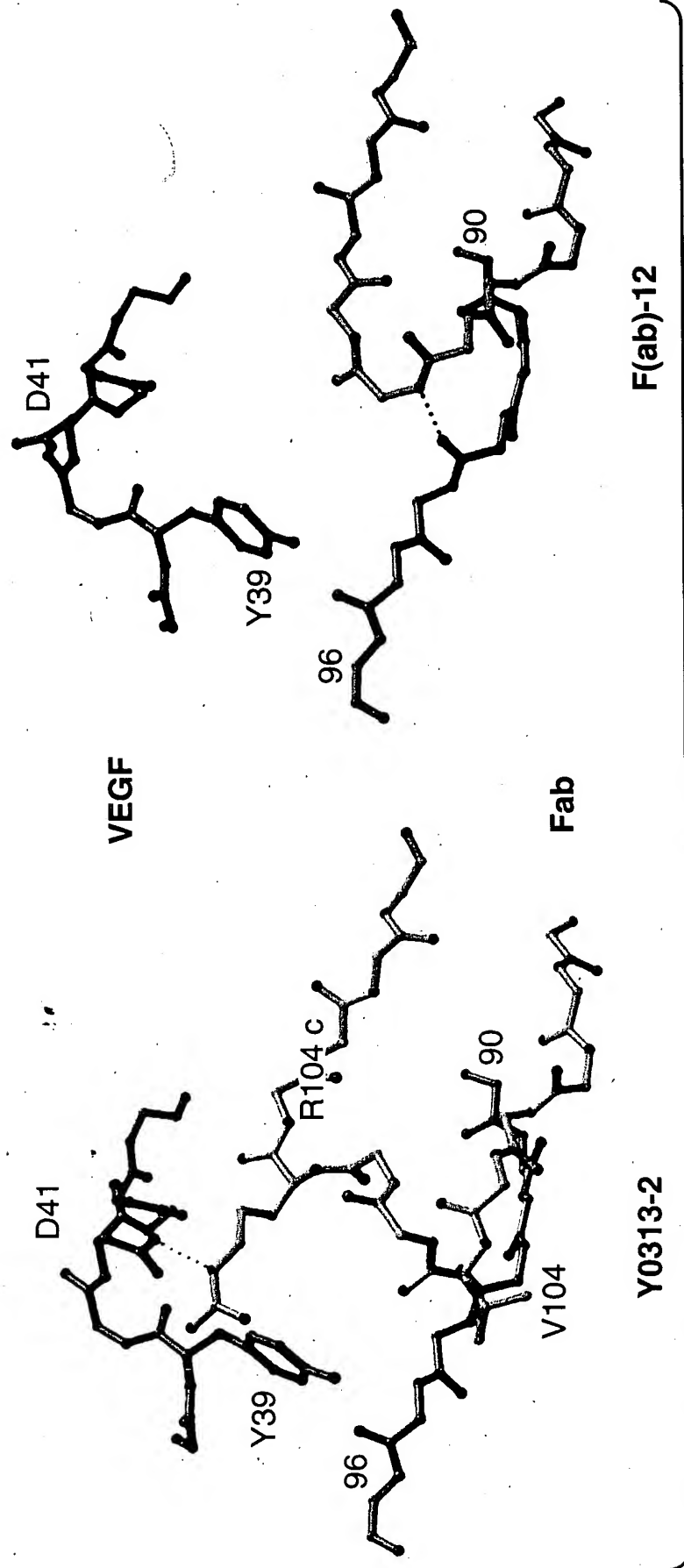
**FIG.\_2**



**FIG.\_3**



**FIG.\_4**



**FIG. 5**